

**Flood Control Project Maintenance
Levee Inspections**

Fall 2013 Levee Maintenance Deficiency Summary Report

Overall LMA & Unit Ratings, including DWR Erosion Survey

San Joaquin River Basin

RD0404	Overall LMA Rating	Total LMA Miles						
Reclamation District No. 0404 Boggs	U	4.12						
Rated Item	Maintenance Deficiency				Enforcement		Design & System Obsolescence	
	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles
<i>Earthen Levee</i>								
Vegetation	0.05		0.05	1.21%				
Trim / Thin Trees	0.10	0.07	0.38	9.22%				
Encroachments	0.08		0.08	1.94%	0.07	0.01		
Animal Control	0.13		0.13	3.16%				
Slope Stability	0.01		0.01	0.24%				
Erosion / Bank Caving	0.02	0.01	0.06	1.46%				
Crown Surface / Depressions / Rutting	1.75		1.75	42.48%				
Riprap Revetments	0.02		0.02	0.49%				
Operations & Maintenance Manuals	0.04		0.04	0.97%				
Flood Preparedness & Training	0.04		0.04	0.97%				
<i>Supplemental</i>								
DWR Erosion Survey		0.10	0.40	9.71%				
DWR UCIP Field Study					0.23	0.06		
<i>LMA Totals:</i>	2.24	0.18	2.96	71.84%	0.30	0.07	0.00	0.00
Unit No. 01 San Joaquin River RB	Overall Unit Rating	Total Unit Miles						
RD0404	U	2.36						
Rated Item	Maintenance Deficiency				Enforcement		Design & System Obsolescence	
	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles
<i>Earthen Levee</i>								
Vegetation	0.05		0.05	2.12%				
Trim / Thin Trees	0.07		0.07	2.97%				
Encroachments	0.03		0.03	1.27%		0.01		
Animal Control	0.11		0.11	4.66%				
Slope Stability	0.01		0.01	0.42%				
Erosion / Bank Caving		0.01	0.04	1.69%				
Riprap Revetments	0.02		0.02	0.85%				
<i>Supplemental</i>								
DWR Erosion Survey		0.10	0.40	16.95%				
DWR UCIP Field Study					0.13	0.05		
<i>Unit Totals:</i>	0.29	0.11	0.73	30.93%	0.13	0.06	0.00	0.00

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Overall LMA & Unit Ratings, including DWR Erosion Survey

San Joaquin River Basin (cont.)

Unit No. 02 French Camp Slough RB	Overall Unit Rating	Total Unit Miles						
RD0404	U	1.76						
Rated Item	Maintenance Deficiency				Enforcement		Design & System Obsolescence	
	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles
<i>Earthen Levee</i>								
Trim / Thin Trees	0.03	0.07	0.31	17.61%				
Encroachments	0.05		0.05	2.84%	0.07			
Animal Control	0.02		0.02	1.14%				
Erosion / Bank Caving	0.02		0.02	1.14%				
Crown Surface / Depressions / Rutting	1.75		1.75	99.43%				
<i>Supplemental</i>								
DWR UCIP Field Study					0.10	0.01		
<i>Unit Totals:</i>	1.87	0.07	2.15	122.16%	0.17	0.01	0.00	0.00

**Flood Control Project Maintenance
Levee Inspections**
LMA District Cover Sheet
Fall 2013 Levee Inspection Results

Reclamation District No. 0404 Boggs

	Spring (March - May)	Summer ** (June - August)	Fall (September - November)	Winter ** (December - February)
* Overall LMA Rating (Fall Only)			U	

** Non-receipt of Summer or Winter Inspection Reports may effect overall annual rating.

*
SPRING INSPECTIONS: Overall maintenance ratings are not determined for the spring inspection results. Individual maintenance deficiencies are rated using the same criteria in the spring and in the fall.

FALL INSPECTIONS: The overall maintenance rating shown above is based on operation and maintenance deficiencies identified within the attached unit inspection reports. This rating is not intended to be an indication of risk.

Comments

**Flood Control Project Maintenance
Levee Inspections**

Unit Cover Sheet

Fall 2013 Levee Inspection Results

Reclamation District No. 0404 Boggs

Waterway			Bank	Unit Miles
Unit No. 01 San Joaquin River			Right	2.36
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)			U	
Date of Inspection	04/10/2013 - 04/10/2013		09/18/2013 - 09/18/2013	
DWR Inspector	Richard Willoughby		Richard Willoughby	
Accompanied By	Bob Winter KSN		Bob Winter KSN	

Summer & Winter Inspections

The Local Maintaining Agency (LMA) is responsible for summer and winter inspections. The LMA is required to submit a report regarding summer and winter inspections to the California Department of Water Resources (DWR).

DWR must be informed on the:

- a) completion of the inspection
- b) any changes other than the results of normal maintenance
- c) corrections to deficiencies noted in this report

If additional items are noted, further documentation of those items must also be submitted.

The LMA should submit this information to DWR using the LMA web application tool available at:

<http://cdec.water.ca.gov/lma.html>

If the LMA is unable to submit information on this webpage, please contact DWR for assistance.

The LMA should submit the information and any associated documentation by September 30 for summer inspections and March 31 for winter inspections.

Reclamation District No. 0404 Boggs

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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2013

Reclamation District No. 0404 Boggs

Waterway				Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River				Right	2.36	09/18/2013 09/18/2013	Richard Willoughby

LMR No.	Levee Mile		Category	Item	Location	Rating	Action/Comment	GPS Latitude/Longitude		Issue No.
	Start	End						Start	End	
7	0.34	0.34	Supplemental	DWR Erosion Survey	WS	U Ma	Inspector Comments: 08/13/2013: The pocket erosion is located at immediately upstream of a small oak tree. [2013 Site ID:RD0404U01RM40.98]	37.939228 ° -121.340786 °	37.939228 ° -121.340786 °	18 Y
DWR ID:										
8	0.44	0.44	Earthen Levee	Animal Control	CR	M Ma	A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows. Inspector Comments: One large rodent hole located on levee crown and several rodent holes also located in this area. District grouted hole, but holes was not fully grouted.	37.939635 ° -121.339063 °	37.939635 ° -121.339063 °	5 Y
DWR ID: DWR_RD0404_01_s_2013_5										
9	0.45	0.45	Earthen Levee	Vegetation	WS	M Ma	V2 : Remove the wild growth other than native grasses from the levee slopes. Inspector Comments: Remove bamboo on waterside toe. Bamboo is not within twenty feet zone, but should be removed to stop from spreading along waterward slope. Bamboo has increased is size.	37.939627 ° -121.338808 °	37.939627 ° -121.338808 °	104 Y
DWR ID: DWR_RD0404_01_s_2012_104										
10	0.48	0.48	Supplemental	DWR Erosion Survey	WS	U Ma	Inspector Comments: 08/13/2013: No significant change at this site. 8/7/2012: The erosion is next to a repaired site and approximately 400 feet downstream of a river bend. There are broken concretes at the upper levee slope, but not visible at the levee toe or lower slope. Likely the protection concrete blocks have been washed away. [2013 Site ID:RD0404U01RM41.11]	37.939190 ° -121.338280 °	37.939190 ° -121.338280 °	19 Y
DWR ID:										
11	0.49	0.49	Supplemental	DWR UCIP Field Study	WS	U En	Inspector Comments: FS_ID:11444 EP_NO: N/A Repair Type: Urgent Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 1 of 2. Two 36-inch corrugated metal drainage pipe. One pipe has broken flap gate. FS Date: 03/26/2013	37.939640 ° -121.338175 °	37.939640 ° -121.338175 °	28 Y
DWR ID: DWR_RD0404_01_f_2013_28										
12	0.49	0.49	Supplemental	DWR UCIP Field Study	WS	U En	Inspector Comments: FS_ID:11443 EP_NO: N/A Repair Type: Urgent Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 2 of 2. Two 36-inch corrugated metal drainage pipe. One pipe has broken flap gate. FS Date: 03/26/2013	37.939640 ° -121.338175 °	37.939640 ° -121.338175 °	29 Y
DWR ID: DWR_RD0404_01_f_2013_29										

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2013

Reclamation District No. 0404 Boggs

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	2.36	09/18/2013 09/18/2013	Richard Willoughby

LMR No.	Levee Mile		Category	Item	* Location	** Rating	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	
13	0.49	0.49	Supplemental	DWR UCIP Field Study	WS	U En	Inspector Comments: FS_ID:12404 EP_NO: N/A Repair Type: Urgent Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 2 of 2. Two 36-inch corrugated metal drainage pipes. One pipe has broken flap gate. FS Date: 03/26/2013	37.939640 ° -121.338175 °	37.939640 ° -121.338175 °	30
DWR ID: DWR_RD0404_01_f_2013_30										
14	0.49	0.49	Supplemental	DWR UCIP Field Study	WS	U En	Inspector Comments: FS_ID:12403 EP_NO: N/A Repair Type: Urgent Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 1 of 2. Two 36-inch corrugated metal drainage pipes. One pipe has broken flap gate. FS Date: 03/26/2013	37.939640 ° -121.338175 °	37.939640 ° -121.338175 °	31
DWR ID: DWR_RD0404_01_f_2013_31										
15	0.60	0.62	Supplemental	DWR Erosion Survey	WS	U Ma	Inspector Comments: 08/13/2013: No significant change at this site. 08/07/2012: The site was first discovered by levee inspector in the spring inspection. Levee slope was protected with broken concrete blocks, but those blocks have been washed away during high flows. [2013 Site ID:RD0404U01RM41.22]	37.939133 ° -121.336100 °	37.939133 ° -121.336100 °	20 Y
DWR ID:										
16	0.62	0.62	Supplemental	DWR Erosion Survey	WS	C Ma	Inspector Comments: 08/13/2013: Boat survey found the site has been repaired. 08/07/2012: The root-ball of a fallen tree removed material from the levee. Immediately action needed to remove the fallen tree trunk and repair the damage. [2013 Site ID:RD0404U01RM41.23]	37.938810 ° -121.336170 °	37.938810 ° -121.336170 °	45
DWR ID:										
17	0.66	0.66	Supplemental	DWR UCIP Field Study	WS	M En	Inspector Comments: FS_ID:11087 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Steel intake structure on landside of the levee. FIELD_STRUCT_DESC: 2 of 3. 30-inch pipes through levee, 22.0 feet below the crown. Waterward end with flap gates. Landward end filled with dirt. Steel intake structure on landside of the levee. Middle flap gate missing and right flap gate broken as of 1/24/07. FS Date: 03/26/2013	37.938670 ° -121.335397 °	37.938670 ° -121.335397 °	32
DWR ID: DWR_RD0404_01_f_2013_32										

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2013

Reclamation District No. 0404 Boggs

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	2.36	09/18/2013 09/18/2013	Richard Willoughby

LMR No.	Levee Mile		Category	Item	Location	Rating	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	

18	0.66	0.66	Supplemental	DWR UCIP Field Study	LS En	M	Inspector Comments: FS_ID:11085 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Steel intake structure on LS. FIELD_STRUCT_DESC: 1 of 3. 30-inch CM pipes through levee, 22.0 feet below the crown. Waterward end with damaged flap gates. Steel intake structure on landside. On waterside, middle flap gate missing and right flap gate broken as of 1/24/07. FS Date: 03/26/2013	37.938670 ° -121.335397 °	37.938670 ° -121.335397 °	33 Y
DWR ID: DWR_RD0404_01_f_2013_33										
19	0.66	0.66	Supplemental	DWR UCIP Field Study	LS En	M	Inspector Comments: FS_ID:12384 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Steel intake structure on LS. FIELD_STRUCT_DESC: 1 of 3. 30-inch CM pipes through levee, 22.0 feet below the crown. Waterward end with damaged flap gates. Steel intake structure on landside. On waterside, middle flap gate missing and right flap gate broken as of 1/24/07. FS Date: 03/26/2013	37.938670 ° -121.335397 °	37.938670 ° -121.335397 °	34
DWR ID: DWR_RD0404_01_f_2013_34										
20	0.66	0.66	Supplemental	DWR UCIP Field Study	LS En	M	Inspector Comments: FS_ID:11086 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Steel intake structure on LS FIELD_STRUCT_DESC: 3 of 3. 30-inch pipes through levee, 22.0 feet below the crown. Waterward end with flap gates. Steel intake structure on landside. Landward end filled with dirt. Middle flap gate missing and right flap gate broken as of 1/24/07. FS Date: 03/26/2013	37.938670 ° -121.335397 °	37.938670 ° -121.335397 °	35
DWR ID: DWR_RD0404_01_f_2013_35										
21	0.66	0.66	Supplemental	DWR UCIP Field Study	LS En	M	Inspector Comments: FS_ID:12383 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Steel intake structure on LS FIELD_STRUCT_DESC: 3 of 3. 30-inch pipes through levee, 22.0 feet below the crown. Waterward end with flap gates. Steel intake structure on landside. Landward end filled with dirt. Middle flap gate missing and right flap gate broken as of 1/24/07. FS Date: 03/26/2013	37.938670 ° -121.335397 °	37.938670 ° -121.335397 °	36
DWR ID: DWR_RD0404_01_f_2013_36										
22	0.67	0.67	Earthen Levee	Encroachments	LS Ma	M	GA : Garbage Inspector Comments: Wooden board dumped on landside slope.	37.938583 ° -121.335258 °	37.938583 ° -121.335258 °	6 Y
DWR ID: DWR_RD0404_01_s_2013_6										

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2013

Reclamation District No. 0404 Boggs

Waterway				Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River				Right	2.36	09/18/2013 09/18/2013	Richard Willoughby

LMR No.	Levee Mile		Category	Item	Location *	Rating **	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	
23	0.75	0.75	Earthen Levee	Vegetation	LS	M Ma	V4 : Elderberries are blocking visibility and flood fight capability.	37.937758 ° -121.334149 °	37.937758 ° -121.334149 °	7 Y
DWR ID: DWR_RD0404_01_s_2012_7										
24	0.76	0.76	Supplemental	DWR UCIP Field Study	LS	M En	Inspector Comments: FS_ID:11188 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Tilted headwall on WS. Partially buried flap gate FIELD_STRUCT_DESC: 42-inch CM drainage pipe through levee 18.0 feet below crown. Flap gate, concrete headwall and spillway on the waterward side. Pumphouse on landward side. O&M #: SJR 001 FS Date: 03/26/2013	37.937657 ° -121.334158 °	37.937657 ° -121.334158 °	37 Y
DWR ID: DWR_RD0404_01_f_2013_37										
25	0.76	0.76	Supplemental	DWR UCIP Field Study	LS	U En	Inspector Comments: FS_ID:11103 EP_NO: N/A Repair Type: Urgent Crossing Status: Found UCIP Comments: Tilted headwall on WS. Partially buried flap gate FIELD_STRUCT_DESC: 42-inch CM drainage pipe through levee 18.0 feet below crown. Flap gate, concrete headwall and spillway on the waterward side. Pumphouse on landward side. O&M #: SJR 001 FS Date: 03/26/2013	37.937657 ° -121.334158 °	37.937657 ° -121.334158 °	38
DWR ID: DWR_RD0404_01_f_2013_38										
26	0.78	0.78	Earthen Levee	Trim / Thin Trees	LS	M Ma	T1 : Trim trees to at least five feet above ground level. Inspector Comments: Trees blocking view of slope.	37.937395 ° -121.333883 °	37.937395 ° -121.333883 °	8 Y
DWR ID: DWR_RD0404_01_s_2013_8										
27	0.89	0.89	Earthen Levee	Vegetation	LS	M Ma	V4 : Elderberries are blocking visibility and flood fight capability.	° °	° °	17
DWR ID: DWR_RD0404_01_f_2012_17										
28	0.96	0.96	Earthen Levee	Vegetation	WS	M Ma	V4 : Elderberries are blocking visibility and flood fight capability.	37.935990 ° -121.331600 °	37.935990 ° -121.331600 °	2
DWR ID: DWR_RD0404_01_s_2012_2										
29	1.04	1.04	Earthen Levee	Trim / Thin Trees	WS	M Ma	T1 : Trim trees to at least five feet above ground level.	° °	° °	3
DWR ID: DWR_RD0404_01_f_2013_3										
30	1.08	1.08	Earthen Levee	Trim / Thin Trees	WS	M Ma	T1 : Trim trees to at least five feet above ground level.	37.935358 ° -121.329645 °	37.935358 ° -121.329645 °	102
DWR ID: DWR_RD0404_01_s_2012_102										
31	1.10	1.10	Earthen Levee	Riprap Revetments	WS	M Ma	Inspector Comments: Concrete rubble with rebar should be removed.	° °	° °	4 Y
DWR ID: DWR_RD0404_01_f_2013_4										
32	1.20	1.20	Earthen Levee	Vegetation	LS	M Ma	V2 : Remove the wild growth other than native grasses from the levee slopes.	37.934058 ° -121.328188 °	37.934058 ° -121.328188 °	101 Y
DWR ID: DWR_RD0404_01_s_2012_101										

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

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M : Minimally Acceptable
U : Unacceptable
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C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2013

Reclamation District No. 0404 Boggs

Waterway						Bank	Unit Miles	Inspection Start/End	Inspector	
Unit No. 01 San Joaquin River						Right	2.36	09/18/2013 09/18/2013	Richard Willoughby	
LMR No.	Levee Mile		Category	Item	Location	Rating	Action/Comment	GPS Latitude/Longitude		Issue No.
	Start	End						Start	End	Photo
33	1.21	1.21	Earthen Levee	Encroachments	LS	M Ma	GA : Garbage Inspector Comments: Old concrete pipes on landside slope should be removed.	°	°	12 Y
DWR ID: DWR_RD0404_01_f_2013_12										
34	1.36	1.36	Earthen Levee	Trim / Thin Trees	WS	M Ma	T1 : Trim trees to at least five feet above ground level.	37.931945 ° -121.327150 °	37.931945 ° -121.327150 °	100
DWR ID: DWR_RD0404_01_s_2012_100										
35	1.57	1.67	Earthen Levee	Animal Control	LS	M Ma	A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows. Inspector Comments: This section has been degraded due to construction.	37.928723 ° -121.327207 °	37.927945 ° -121.325933 °	9
DWR ID: DWR_RD0404_01_s_2012_9										
36	1.58	1.58	Supplemental	DWR UCIP Field Study	LS	M En	Inspector Comments: FS_ID:12386 EP_NO: 15562 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: According to Bob Winter of KSN/LMA representative. Fiber optics cable goes through levee. No sign/indicators found. And photos not taken. FIELD_STRUCT_DESC: 4-inch steel pipe with fiber optics communication cable through levee. Cable Crosses the channel. (Permit No. 15562-1991). The pipe is 34 feet below the levee crown. FS Date: 03/26/2013	37.928718 ° -121.327206 °	37.928718 ° -121.327206 °	39 Y
DWR ID: DWR_RD0404_01_f_2013_39										
37	1.58	1.58	Earthen Levee	Encroachments	LS A/W	M Ma	TR : Tree or limb Inspector Comments: Downed tree limb on landside slope and toe.	°	°	15 Y
DWR ID: DWR_RD0404_01_f_2012_15										
38	1.60	1.60	Supplemental	DWR UCIP Field Study	LS	M En	Inspector Comments: FS_ID:12385 EP_NO: 15562 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: According to Bob Winter of KSN/LMA representative. Fiber optics cable goes through levee. No sign/indicators found. And photos not taken. FIELD_STRUCT_DESC: 4-inch steel pipe with fiber optics communication cable through levee. Cable Crosses the channel. (Permit No. 15562-1991). The pipe is 34 feet below the levee crown. FS Date: 03/26/2013	37.928497 ° -121.326990 °	37.928497 ° -121.326990 °	40
DWR ID: DWR_RD0404_01_f_2013_40										

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

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Levee Inspection Report By Mile - Fall 2013

Reclamation District No. 0404 Boggs

Waterway					Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River					Right	2.36	09/18/2013 09/18/2013	Richard Willoughby

LMR No.	Levee Mile		Category	Item	Location	Rating	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	
39	1.60	1.60	Supplemental	DWR UCIP Field Study	LS	M En	Inspector Comments: FS_ID:11147 EP_NO: 15562 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: According to Bob Winter of KSN/LMA representative. Fiber optics cable goes through levee. No sign/indicators found. FIELD_STRUCT_DESC: 4-inch steel pipe with fiber optics communication cable through levee. Cable Crosses the channel. (Permit No. 15562-1991). The pipe is 34 feet below the levee crown. FS Date: 03/26/2013	37.928497 ° -121.326990 °	37.928497 ° -121.326990 °	41
DWR ID: DWR_RD0404_01_f_2013_41										
40	1.64	1.65	Earthen Levee	Slope Stability	LS	C Ma	S3 : Repair the levee slope damaged by vehicle traffic and prevent access where possible.	37.928118 ° -121.326338 °	37.927970 ° -121.326007 °	11
DWR ID: DWR_RD0404_01_s_2012_11										
41	1.65	1.65	Supplemental	DWR UCIP Field Study	LS	M En	Inspector Comments: FS_ID:11163 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Abandoned crossing. WS pipe capped with steel pipe and LS pipe cut. FIELD_STRUCT_DESC: Abandoned 14-inch irrigation pipe. 3.0 feet below levee crown. FS Date: 03/26/2013	37.928090 ° -121.326215 °	37.928090 ° -121.326215 °	42 Y
DWR ID: DWR_RD0404_01_f_2013_42										
42	1.67	1.67	Earthen Levee	Trim / Thin Trees	LS A/W	Ma	T4 : Trim trees over roadway to at least 12 feet above ground level.	° °	° °	14 Y
DWR ID: DWR_RD0404_01_f_2012_14										
43	1.77	1.77	Earthen Levee	Slope Stability	LS	C Ma	S3 : Repair the levee slope damaged by vehicle traffic and prevent access where possible. Inspector Comments: This section is under construction from EIP permit.	37.926740 ° -121.324887 °	37.926740 ° -121.324887 °	10
DWR ID: DWR_RD0404_01_s_2013_10										
44	1.81	1.81	Supplemental	DWR UCIP Field Study	LS	M En	Inspector Comments: FS_ID:12387 EP_NO: 6560 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 8-inch pipe through the levee, 7.0 feet below the crown, chain link fence around pump and motor on the waterward slope. Damaged siphon breaker in pipe riser near the landward shoulder. (App. No. 6560) FS Date: 03/26/2013	37.926168 ° -121.324514 °	37.926168 ° -121.324514 °	43
DWR ID: DWR_RD0404_01_f_2013_43										

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2013

Reclamation District No. 0404 Boggs

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	2.36	09/18/2013 09/18/2013	Richard Willoughby

LMR No.	Levee Mile		Category	Item	Location	Rating	Action/Comment	GPS Latitude/Longitude		Issue No.
	Start	End						Start	End	
45	1.81	1.81	Supplemental	DWR UCIP Field Study	WS	M En	Inspector Comments: FS_ID:11187 EP_NO: 6560 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 8-inch pipe through the levee, 7.0 feet below the crown, chain link fence around pump and motor on the waterward slope. Damaged siphon breaker in pipe riser near the landward shoulder. (App. No. 6560) FS Date: 03/26/2013	37.926168 ° -121.324514 °	37.926168 ° -121.324514 °	44 Y
DWR ID: DWR_RD0404_01_f_2013_44										
46	1.84	1.85	Earthen Levee	Trim / Thin Trees	WS	M Ma	T1 : Trim trees to at least five feet above ground level.	37.925855 ° -121.324247 °	37.925735 ° -121.324153 °	21 Y
DWR ID: DWR_RD0404_01_s_2013_21										
47	1.98	1.98	Earthen Levee	Encroachments	WS	U En	TR : Tree or limb Inspector Comments: Downed tree limb on waterward slope.	37.924082 ° -121.323178 °	37.924082 ° -121.323178 °	22 Y
DWR ID: DWR_RD0404_01_s_2013_22										
48	1.98	1.98	Earthen Levee	Trim / Thin Trees	WS	M Ma	T1 : Trim trees to at least five feet above ground level.	37.924055 ° -121.323195 °	37.924055 ° -121.323195 °	99 Y
DWR ID: DWR_RD0404_01_s_2012_99										
49	1.99	1.99	Earthen Levee	Encroachments	WS	M Ma	TR : Tree or limb Inspector Comments: Downed tree limbs on waterside slope.	37.923817 ° -121.323130 °	37.923817 ° -121.323130 °	98 Y
DWR ID: DWR_RD0404_01_s_2012_98										
50	2.01	2.01	Earthen Levee	Slope Stability	WS	M Ma	S2 : Repair the levee slope damaged by foot traffic and prevent access where possible. Inspector Comments: Slope damage due to foot traffic.	° °	° °	16 Y
DWR ID: DWR_RD0404_01_f_2013_16										
51	2.08	2.08	Earthen Levee	Trim / Thin Trees	WS	M Ma	T1 : Trim trees to at least five feet above ground level.	° °	° °	13 Y
DWR ID: DWR_RD0404_01_f_2012_13										
52	2.34	2.34	Earthen Levee	Riprap Revetments	WS	M Ma	Inspector Comments: Remove rebar from existing concrete rip rap on waterward slope.	37.920488 ° -121.318630 °	37.920488 ° -121.318630 °	23 Y
DWR ID: DWR_RD0404_01_s_2013_23										

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2013

Reclamation District No. 0404 Boggs

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	2.36	09/18/2013 09/18/2013	Richard Willoughby

Levee Mile Report Line	4
Start Levee Mile	0.21
End Levee Mile	0.26
Location	Water Side
Category	Supplemental
Item	DWR Erosion Survey

Front view of the site.

SJR2013_RD0404U01RM40.86_2.jpg



Levee Mile Report Line	6
Start Levee Mile	0.30
End Levee Mile	0.30
Location	Water Side
Category	Earthen Levee
Item	Erosion / Bank Caving

Looking northwest at toe erosion on waterside.

richard_f_20130918_024.jpg



Levee Mile Report Line	6
Start Levee Mile	0.30
End Levee Mile	0.30
Location	Water Side
Category	Earthen Levee
Item	Erosion / Bank Caving

Looking east at erosion on slope and toe of levee.

richard_f_20130918_025.JPG



*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2013

Reclamation District No. 0404 Boggs

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	2.36	09/18/2013 09/18/2013	Richard Willoughby

Levee Mile Report Line	6
Start Levee Mile	0.30
End Levee Mile	0.30
Location	Water Side
Category	Earthen Levee
Item	Erosion / Bank Caving

Looking south at erosion on waterward slope.
2013

richard_f_20130919_437.JPG



Levee Mile Report Line	6
Start Levee Mile	0.30
End Levee Mile	0.30
Location	Water Side
Category	Earthen Levee
Item	Erosion / Bank Caving

Looking south at erosion on waterward slope.

richard_f_20130919_438.JPG



Levee Mile Report Line	7
Start Levee Mile	0.34
End Levee Mile	0.34
Location	Water Side
Category	Supplemental
Item	DWR Erosion Survey

Looking at the erosion site from upstream.

SJR2013_RD0404U01RM40.98_2.jpg



*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2013

Reclamation District No. 0404 Boggs

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	2.36	09/18/2013 09/18/2013	Richard Willoughby

Levee Mile Report Line	8
Start Levee Mile	0.44
End Levee Mile	0.44
Location	Crown
Category	Earthen Levee
Item	Animal Control

Looking at rodent hole on levee crown.

richard_f_20130918_003.JPG



Levee Mile Report Line	8
Start Levee Mile	0.44
End Levee Mile	0.44
Location	Crown
Category	Earthen Levee
Item	Animal Control

Looking at partially grouted rodent hole on levee crown

richard_f_20130919_439.JPG



Levee Mile Report Line	8
Start Levee Mile	0.44
End Levee Mile	0.44
Location	Crown
Category	Earthen Levee
Item	Animal Control

Looking at one of several rodent holes on levee crown.

richard_f_20130919_440.JPG



* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2013

Reclamation District No. 0404 Boggs

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	2.36	09/18/2013 09/18/2013	Richard Willoughby

Levee Mile Report Line	9
Start Levee Mile	0.45
End Levee Mile	0.45
Location	Water Side
Category	Earthen Levee
Item	Vegetation

Looking northwest at bamboo on waterside toe.

richard_f_20130918_022.jpg



Levee Mile Report Line	9
Start Levee Mile	0.45
End Levee Mile	0.45
Location	Water Side
Category	Earthen Levee
Item	Vegetation

Looking southwest at bamboo on waterward slope and toe.

richard_f_20130918_023.JPG



Levee Mile Report Line	9
Start Levee Mile	0.45
End Levee Mile	0.45
Location	Water Side
Category	Earthen Levee
Item	Vegetation

Looking west at bamboo on waterward slope. 2013

richard_f_20130919_441.JPG



*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2013

Reclamation District No. 0404 Boggs

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	2.36	09/18/2013 09/18/2013	Richard Willoughby

Levee Mile Report Line	10
Start Levee Mile	0.48
End Levee Mile	0.48
Location	Water Side
Category	Supplemental
Item	DWR Erosion Survey

A closer view at the site. Note the protected bank downstream and upstream of the erosion.

SJR2013_RD0404U01RM41.11_2.jpg



Levee Mile Report Line	12
Start Levee Mile	0.49
End Levee Mile	0.49
Location	Water Side
Category	Supplemental
Item	DWR UCIP Field Study

Overview of levee landside

UCIP_6298.jpg



Levee Mile Report Line	15
Start Levee Mile	0.60
End Levee Mile	0.62
Location	Water Side
Category	Supplemental
Item	DWR Erosion Survey

Front view of the erosion. Note the slumping at upper slope.

SJR2013_RD0404U01RM41.22_1.jpg



*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2013

Reclamation District No. 0404 Boggs

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	2.36	09/18/2013 09/18/2013	Richard Willoughby

Levee Mile Report Line	18
Start Levee Mile	0.66
End Levee Mile	0.66
Location	Land Side
Category	Supplemental
Item	DWR UCIP Field Study

LS- steel intake structure

UCIP_6510.jpg



Levee Mile Report Line	22
Start Levee Mile	0.67
End Levee Mile	0.67
Location	Land Side
Category	Earthen Levee
Item	Encroachments

Looking northeast at wooden boards on landward slope.

richard_f_20130918_004.JPG



Levee Mile Report Line	23
Start Levee Mile	0.75
End Levee Mile	0.75
Location	Land Side
Category	Earthen Levee
Item	Vegetation

Looking southeast at elderberry on landside slope.

richard_f_20130918_005.jpg



*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2013

Reclamation District No. 0404 Boggs

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	2.36	09/18/2013 09/18/2013	Richard Willoughby

Levee Mile Report Line	24
Start Levee Mile	0.76
End Levee Mile	0.76
Location	Land Side
Category	Supplemental
Item	DWR UCIP Field Study

LS- pumping plant over large concrete riser

UCIP_6497.jpg



Levee Mile Report Line	26
Start Levee Mile	0.78
End Levee Mile	0.78
Location	Land Side
Category	Earthen Levee
Item	Trim / Thin Trees

Looking southeast at dense trees on landward slope and toe.

richard_f_20130919_442.JPG



Levee Mile Report Line	31
Start Levee Mile	1.10
End Levee Mile	1.10
Location	Land Side
Category	Earthen Levee
Item	Riprap Revetments

Looking southwest at concrete rubble with rebar on waterward slope.

richard_f_20130919_443.JPG



* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2013

Reclamation District No. 0404 Boggs

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	2.36	09/18/2013 09/18/2013	Richard Willoughby

Levee Mile Report Line	32
Start Levee Mile	1.20
End Levee Mile	1.20
Location	Land Side
Category	Earthen Levee
Item	Vegetation

Looking southeast at overhanging trees on landside slope.

richard_f_20130918_021.JPG



Levee Mile Report Line	33
Start Levee Mile	1.21
End Levee Mile	1.21
Location	Land Side
Category	Earthen Levee
Item	Encroachments

Looking southeast at old broken concrete pipes on landward slope and toe.

richard_f_20130919_444.JPG



Levee Mile Report Line	36
Start Levee Mile	1.58
End Levee Mile	1.58
Location	Land Side
Category	Supplemental
Item	DWR UCIP Field Study

Aerial Photo @HLM=1.5791: No sign posts/markers found.

UCIP_6515.jpg



* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2013

Reclamation District No. 0404 Boggs

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	2.36	09/18/2013 09/18/2013	Richard Willoughby

Levee Mile Report Line	37
Start Levee Mile	1.58
End Levee Mile	1.58
Location	Land Side
Category	Earthen Levee
Item	Encroachments

Looking east at tree limb on landside slope.

richard_f_20130918_011.JPG



Levee Mile Report Line	41
Start Levee Mile	1.65
End Levee Mile	1.65
Location	Land Side
Category	Supplemental
Item	DWR UCIP Field Study

LS- concrete standpipe on levee slope

UCIP_6520.jpg



Levee Mile Report Line	42
Start Levee Mile	1.67
End Levee Mile	1.67
Location	Land Side
Category	Earthen Levee
Item	Trim / Thin Trees

Looking east at tree on landside overhanging levee crown.

richard_f_20130918_009.JPG



* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2013

Reclamation District No. 0404 Boggs

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	2.36	09/18/2013 09/18/2013	Richard Willoughby

Levee Mile Report Line	42
Start Levee Mile	1.67
End Levee Mile	1.67
Location	Land Side
Category	Earthen Levee
Item	Trim / Thin Trees
Looking north at trimmed tree on landward slope.(Spring 2013)	
richard_f_20130918_010.JPG	



Levee Mile Report Line	45
Start Levee Mile	1.81
End Levee Mile	1.81
Location	Land Side
Category	Supplemental
Item	DWR UCIP Field Study
WS- slanted pump, pipe, and concrete steps on levee slope.	
UCIP_6523.jpg	



Levee Mile Report Line	47
Start Levee Mile	1.98
End Levee Mile	1.98
Location	Water Side
Category	Earthen Levee
Item	Encroachments
Looking south at broken tree branch on waterward shoulder and slope.	
richard_f_20130918_017.JPG	



* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2013

Reclamation District No. 0404 Boggs

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	2.36	09/18/2013 09/18/2013	Richard Willoughby

Levee Mile Report Line	47
Start Levee Mile	1.98
End Levee Mile	1.98
Location	Water Side
Category	Earthen Levee
Item	Encroachments

Looking southwest at fallen tree limb on waterward slope. 2013

richard_f_20130919_451.JPG



Levee Mile Report Line	48
Start Levee Mile	1.98
End Levee Mile	1.98
Location	Water Side
Category	Earthen Levee
Item	Trim / Thin Trees

Looking southwest at dense trees on waterside slope.

richard_f_20130918_020.JPG



Levee Mile Report Line	49
Start Levee Mile	1.99
End Levee Mile	1.99
Location	Water Side
Category	Earthen Levee
Item	Encroachments

Looking northwest at downed tree on waterside slope.

richard_f_20130918_019.jpg



*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2013

Reclamation District No. 0404 Boggs

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	2.36	09/18/2013 09/18/2013	Richard Willoughby

Levee Mile Report Line	50
Start Levee Mile	2.01
End Levee Mile	2.01
Location	Water Side
Category	Earthen Levee
Item	Slope Stability

Looking southwest at slope damage due to foot traffic.

richard_f_20130919_452.JPG



Levee Mile Report Line	50
Start Levee Mile	2.01
End Levee Mile	2.01
Location	Water Side
Category	Earthen Levee
Item	Slope Stability

Looking west at slope damage due to foot traffic.

richard_f_20130919_453.JPG



Levee Mile Report Line	52
Start Levee Mile	2.34
End Levee Mile	2.34
Location	Water Side
Category	Earthen Levee
Item	Riprap Revetments

Looking southwest at concrete rip rap with rebar.

richard_f_20130918_018.JPG



* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Unit Cover Sheet

Fall 2013 Levee Inspection Results

Reclamation District No. 0404 Boggs

Waterway			Bank	Unit Miles
Unit No. 02 French Camp Slough			Right	1.76
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)			U	
Date of Inspection	04/10/2013 - 04/10/2013		09/18/2013 - 09/18/2013	
DWR Inspector	Richard Willoughby		Richard Willoughby	
Accompanied By	Bob Winter KSN		Bob Winter KSN	

Summer & Winter Inspections

The Local Maintaining Agency (LMA) is responsible for summer and winter inspections. The LMA is required to submit a report regarding summer and winter inspections to the California Department of Water Resources (DWR).

DWR must be informed on the:

- a) completion of the inspection
- b) any changes other than the results of normal maintenance
- c) corrections to deficiencies noted in this report

If additional items are noted, further documentation of those items must also be submitted.

The LMA should submit this information to DWR using the LMA web application tool available at:

<http://cdec.water.ca.gov/lma.html>

If the LMA is unable to submit information on this webpage, please contact DWR for assistance.

The LMA should submit the information and any associated documentation by September 30 for summer inspections and March 31 for winter inspections.

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2013

Reclamation District No. 0404 Boggs

Waterway						Bank	Unit Miles	Inspection Start/End	Inspector	
Unit No. 02 French Camp Slough						Right	1.76	09/18/2013 09/18/2013	Richard Willoughby	
LMR No.	Levee Mile		Category	Item	Location	Rating	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	
1	0.00	0.00	Supplemental	DWR UCIP Field Study	LS	M _{En}	Inspector Comments: FS_ID:10947 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Not Found UCIP Comments: FIELD_STRUCT_DESC: 12-inch pipe, 5 feet below the levee crown. Date of O&M: March 1963. O&M #: SJR 001 FS Date: 03/27/2013	0.000000 ° 0.000000 °	0.000000 ° 0.000000 °	17
DWR ID: DWR_RD0404_02_f_2013_17										
2	0.00	1.74	Earthen Levee	Crown Surface / Depressions / Rutting	CR	M _{Ma}	C1 : Add appropriate material and re-grade the levee to bring the crown above the design elevation. Inspector Comments: Several pot holes noticed on the crown.	37.920308 ° -121.318308 °	37.917383 ° -121.292062 °	7
DWR ID: DWR_RD0404_02_s_2012_7										
3	0.11	0.11	Earthen Levee	Erosion / Bank Caving	WS	M _{Ma}	E2 : Schedule repair of erosion site prior to the next inspection.	37.919207 ° -121.316852 °	37.919207 ° -121.316852 °	75 Y
DWR ID: DWR_RD0404_02_s_2012_75										
4	0.12	0.15	Earthen Levee	Trim / Thin Trees	WS	N _{Ma}	T5 : Tree stumps. Inspector Comments: Remove three dead trees on waterside slope and toe.	37.919090 ° -121.316733 °	37.918753 ° -121.316440 °	74 Y
DWR ID: DWR_RD0404_02_s_2012_74										
5	0.19	0.19	Earthen Levee	Encroachments	LS	C _{Ma}	TR : Tree or limb Inspector Comments: Small tree limbs on landside slope.	37.918375 ° -121.316008 °	37.918375 ° -121.316008 °	15
DWR ID: DWR_RD0404_02_s_2013_15										
6	0.19	0.35	Earthen Levee	Animal Control	LS	A/W _{Ma}	A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.	37.919543 ° -121.311432 °	37.918935 ° -121.313335 °	3
DWR ID: DWR_RD0404_02_s_2012_3										
7	0.23	0.23	Earthen Levee	Encroachments	WS	M _{Ma}	PR : Prunings	37.918217 ° -121.315232 °	37.918217 ° -121.315232 °	73
DWR ID: DWR_RD0404_02_s_2012_73										
8	0.24	0.24	Earthen Levee	Encroachments	WS	M _{En}	TR : Tree or limb Inspector Comments: Broken tree limb on waterward slope.	° °	° °	2 Y
DWR ID: DWR_RD0404_02_f_2013_2										
9	0.29	0.32	Earthen Levee	Trim / Thin Trees	WS	U _{Ma}	T5 : Tree stumps. Inspector Comments: Remove several dead trees on waterside slope and toe.	37.918447 ° -121.314213 °	37.918693 ° -121.313780 °	72 Y
DWR ID: DWR_RD0404_02_s_2012_72										
10	0.36	0.36	Earthen Levee	Trim / Thin Trees	WS	U _{Ma}	T5 : Tree stumps. Inspector Comments: Remove dead tree on waterside slope	37.919025 ° -121.313245 °	37.919025 ° -121.313245 °	71 Y
DWR ID: DWR_RD0404_02_s_2012_71										
11	0.41	0.44	Earthen Levee	Trim / Thin Trees	WS	U _{Ma}	T5 : Tree stumps. Inspector Comments: Remove dead trees on waterside slope.	37.919425 ° -121.312400 °	37.919508 ° -121.311965 °	70 Y
DWR ID: DWR_RD0404_02_s_2012_70										

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2013

Reclamation District No. 0404 Boggs

Waterway				Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 French Camp Slough				Right	1.76	09/18/2013 09/18/2013	Richard Willoughby

LMR No.	Levee Mile		Category	Item	Location * + Rating	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End					Start	End	
12	0.48	0.48	Earthen Levee	Animal Control	LS A/W Ma	A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.	37.919525 ° -121.311193 °	37.919525 ° -121.311193 °	8 Y
DWR ID: DWR_RD0404_02_s_2012_8									
13	0.48	0.48	Earthen Levee	Encroachments	WS M Ma	TR : Tree or limb Inspector Comments: Remove dead tree and tree limbs on waterward slope.	37.919588 ° -121.311193 °	37.919588 ° -121.311193 °	69 Y
DWR ID: DWR_RD0404_02_s_2012_69									
14	0.51	0.51	Earthen Levee	Crown Surface / Depressions / Rutting	CR M Ma	C2 : Repair depressions or ruts in the crown or slope.	37.919528 ° -121.310635 °	37.919528 ° -121.310635 °	12 Y
DWR ID: DWR_RD0404_02_f_2012_12									
15	0.73	0.73	Supplemental	DWR UCIP Field Study	CR M En	Inspector Comments: FS_ID:10908 EP_NO: 3340A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: - Not working for 5 years- Golf club staff- Wooden Walkway; Concrete steps- Damaged siphon breaker FIELD_STRUCT_DESC: 6-inch pipe through the levee, 2.0 feet below the crown. Pump on pile structure in stream. Shut-off valve and siphon breaker on the waterward shoulder. Timber walkway on the waterward slope. One CM cutoff wall. (Permit No. 3340A) FS Date: 03/27/2013	37.919336 ° -121.306782 °	37.919336 ° -121.306782 °	18 Y
DWR ID: DWR_RD0404_02_f_2013_18									
16	0.74	0.74	Supplemental	DWR UCIP Field Study	CR M En	Inspector Comments: FS_ID:10883 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Siphon breaker on concrete riser on ws slope. Cap of siphon breaker is missing. Pipe and pump was working during field survey.Needs to put siphon breaker cap. FIELD_STRUCT_DESC: 12-inch pipe, 5 feet below the levee crown. Pump on landside of the levee. Siphon breaker on concrete riser on WS slope.Date of O&M: March 1963. O&M #: SJR 001 FS Date: 03/27/2013	37.919308 ° -121.306714 °	37.919308 ° -121.306714 °	19 Y
DWR ID: DWR_RD0404_02_f_2013_19									

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2013

Reclamation District No. 0404 Boggs

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 French Camp Slough	Right	1.76	09/18/2013 09/18/2013	Richard Willoughby

LMR No.	Levee Mile		Category	Item	Location	Rating	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	
17	0.74	0.74	Supplemental	DWR UCIP Field Study	LS	M En	Inspector Comments: FS_ID:10946 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Not Found UCIP Comments: Siphon breaker on concrete riser on ws slope. Cap of siphon breaker is missing. Pipe and pump was working during field survey.Needs to put siphon breaker cap. FIELD_STRUCT_DESC: 12-inch pipe, 5 feet below the levee crown. Pump on landside of the levee. Siphon breaker on concrete riser on WS slope.Date of O&M: March 1963. O&M #: SJR 001 FS Date: 03/27/2013	37.919308 ° -121.306714 °	37.919308 ° -121.306714 °	20
DWR ID: DWR_RD0404_02_f_2013_20										
18	0.74	0.74	Supplemental	DWR UCIP Field Study	LS	M En	Inspector Comments: FS_ID:10945 EP_NO: 4448 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Concrete stairway on waterward slope- Not found. Pump was working during field survey. Siphon breaker cap missing. FIELD_STRUCT_DESC: 18-inch pipe through the levee, 9.3 feet below the crown, pump on the landward side. Siphon breaker in concrete well on the waterward shoulder. Two CM cutoff walls. (Permit No. 4448) FS Date: 03/27/2013	37.919308 ° -121.306714 °	37.919308 ° -121.306714 °	21
DWR ID: DWR_RD0404_02_f_2013_21										
19	0.74	0.74	Earthen Levee	Encroachments	LS A/W	En	PR : Prunings	37.919178 ° -121.306468 °	37.919178 ° -121.306468 °	58
DWR ID: DWR_RD0404_02_s_2012_58										
20	0.74	0.74	Earthen Levee	Encroachments	LS	C En	TR : Tree or limb Inspector Comments: Downed tree limb on landside slope.	37.919205 ° -121.306495 °	37.919205 ° -121.306495 °	5
DWR ID: DWR_RD0404_02_s_2012_5										
21	0.80	0.80	Earthen Levee	Trim / Thin Trees	WS	M Ma	T3 : Trim and thin trees to allow visibility of the ground and room to flood fight. Inspector Comments: Remove dead trees from waterside shoulder and slope.	37.918695 ° -121.305935 °	37.918695 ° -121.305935 °	57
DWR ID: DWR_RD0404_02_s_2012_57										
22	0.82	0.91	Earthen Levee	Vegetation	LS A/W	Ma	V2 : Remove the wild growth other than native grasses from the levee slopes.	37.918320 ° -121.305740 °	37.917162 ° -121.305285 °	4
DWR ID: DWR_RD0404_02_s_2012_4										
23	0.89	0.89	Earthen Levee	Trim / Thin Trees	WS	N Ma	T5 : Tree stumps. Inspector Comments: Remove dead tree on waterside shoulder and slope.	37.917280 ° -121.305365 °	37.917280 ° -121.305365 °	68 Y
DWR ID: DWR_RD0404_02_s_2012_68										
24	1.13	1.13	Earthen Levee	Encroachments	WS	M Ma	EQ : Equipment Inspector Comments: Abandoned pump stand in channel and 3-4" steel pipe below flood elevation should be removed.	37.916340 ° -121.301898 °	37.916340 ° -121.301898 °	66 Y
DWR ID: DWR_RD0404_02_s_2012_66										

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Reclamation District No. 0404 Boggs

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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2013

Reclamation District No. 0404 Boggs

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 French Camp Slough	Right	1.76	09/18/2013 09/18/2013	Richard Willoughby

LMR No.	Levee Mile		Category	Item	Location	Rating	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	

38	1.55	1.55	Earthen Levee	Encroachments	WS	M En	EQ : Equipment Inspector Comments: Abandoned pump stand in channel should be removed and 3" galvanized pipe on waterside slope. Pipe was dug out by unknown person. Left major trench (hole) on waterside slope. Trench (hole) should be replaced before flood season. Three inch pipe has been removed and trench backfilled.	37.918397 ° -121.295110 °	37.918397 ° -121.295110 °	60 Y
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DWR ID: DWR_RD0404_02_s_2012_60

39	1.56	1.56	Supplemental	DWR UCIP Field Study	WS	U En	Inspector Comments: FS_ID:10853 EP_NO: 3340 Repair Type: Urgent Crossing Status: Found UCIP Comments: Abandoned and capped 3-in GI pipe found on WS. Damaged air-valve/siphon breaker found on LS. Gully formed due to leaky pipe. A pump house found on LS but it needs to be verified by LMA whether this is associated with this crossing. FIELD_STRUCT_DESC: Abandoned and capped 3-inch GI pipe through levee, 1 feet below the crown; pile structure in stream. damaged siphon breaker at the toe of the landward slope. (Permit No. 3340) FS Date: 03/27/2013	37.918411 ° -121.295128 °	37.918411 ° -121.295128 °	22 Y
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DWR ID: DWR_RD0404_02_f_2013_22

40	1.76	1.76	Earthen Levee	Trim / Thin Trees	WS	M Ma	T1 : Trim trees to at least five feet above ground level.	37.917302 ° -121.291778 °	37.917302 ° -121.291778 °	59 Y
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DWR ID: DWR_RD0404_02_s_2012_59

41	1.76	1.76	Earthen Levee	Encroachments	WS	M Ma	GA : Garbage Inspector Comments: Garbage on waterward slope.	° °	° °	14 Y
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DWR ID: DWR_RD0404_02_f_2013_14

42	1.76	1.76	Supplemental	DWR UCIP Field Study	WS	M En	Inspector Comments: FS_ID:12426 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: Only a 7 ft x 14 ft concrete vault found on LS. Needs a sign post. Bob Winter from KSN (representative of RD 404) will investigate on this crossing. FIELD_STRUCT_DESC: 2 of 2. 42-inch-diameter pipelines under the levee. Pipes cross under the channel. FS Date: 03/27/2013	37.917284 ° -121.291740 °	37.917284 ° -121.291740 °	23
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DWR ID: DWR_RD0404_02_f_2013_23

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2013

Reclamation District No. 0404 Boggs

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 French Camp Slough	Right	1.76	09/18/2013 09/18/2013	Richard Willoughby

LMR No.	Levee Mile		Category	Item	* Location	** Rating	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	

43	1.76	1.76	Supplemental	DWR UCIP Field Study	WS	M En	Inspector Comments: FS_ID:10847 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: Only a 7 ft x 14 ft concrete vault found on LS.Needs a sign post.Bob Winter from KSN(representative of RD 404) will investigate on this crossing. FIELD_STRUCT_DESC: 2 of 2. 42-inch-diameter pipelines under the levee. Pipes cross under the channel. FS Date: 03/27/2013	37.917284 ° -121.291740 °	37.917284 ° -121.291740 °	24 Y
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DWR ID: DWR_RD0404_02_f_2013_24

44	1.76	1.76	Supplemental	DWR UCIP Field Study	WS	M En	Inspector Comments: FS_ID:10846 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: Only a 7 ft x 14 ft concrete vault found on LS.Needs a sign post.Bob Winter from KSN(representative of RD 404) will investigate on this crossing. FIELD_STRUCT_DESC: 1 of 2. 42-inch-diameter pipelines under the levee. Pipes cross under the channel. FS Date: 03/27/2013	37.917284 ° -121.291740 °	37.917284 ° -121.291740 °	25
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DWR ID: DWR_RD0404_02_f_2013_25

45	1.76	1.76	Supplemental	DWR UCIP Field Study	WS	M En	Inspector Comments: FS_ID:10845 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: FIELD_STRUCT_DESC: 2 of 2. 42-inch-diameter pipelines under the levee. Pipes cross under the channel. FS Date: 03/27/2013	37.917284 ° -121.291740 °	37.917284 ° -121.291740 °	26
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DWR ID: DWR_RD0404_02_f_2013_26

46	1.76	1.76	Supplemental	DWR UCIP Field Study	WS	M En	Inspector Comments: FS_ID:10844 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: Only a 7 ft x 14 ft concrete vault found on LS.Needs a sign post.Bob Winter from KSN(representative of RD 404) will investigate on this crossing. FIELD_STRUCT_DESC: 1 of 2. 42-inch-diameter pipelines under the levee. Pipes cross under the channel. FS Date: 03/27/2013	37.917284 ° -121.291740 °	37.917284 ° -121.291740 °	27
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DWR ID: DWR_RD0404_02_f_2013_27

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2013

Reclamation District No. 0404 Boggs

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 French Camp Slough	Right	1.76	09/18/2013 09/18/2013	Richard Willoughby

Levee Mile Report Line	3
Start Levee Mile	0.11
End Levee Mile	0.11
Location	Water Side
Category	Earthen Levee
Item	Erosion / Bank Caving

Looking west at waterside slope erosion.

richard_f_20130918_052.jpg



Levee Mile Report Line	4
Start Levee Mile	0.12
End Levee Mile	0.15
Location	Water Side
Category	Earthen Levee
Item	Trim / Thin Trees

Looking northwest at dead trees on waterside slope.

richard_f_20130918_050.jpg



Levee Mile Report Line	4
Start Levee Mile	0.12
End Levee Mile	0.15
Location	Water Side
Category	Earthen Levee
Item	Trim / Thin Trees

Looking southwest at dead trees on waterside slope.

richard_f_20130918_051.jpg



* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2013

Reclamation District No. 0404 Boggs

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 French Camp Slough	Right	1.76	09/18/2013 09/18/2013	Richard Willoughby

Levee Mile Report Line	8
Start Levee Mile	0.24
End Levee Mile	0.24
Location	Water Side
Category	Earthen Levee
Item	Encroachments
Looking northwest at broken tree limb on waterward shoulder and slope.	
richard_f_20130919_458.JPG	



Levee Mile Report Line	9
Start Levee Mile	0.29
End Levee Mile	0.32
Location	Water Side
Category	Earthen Levee
Item	Trim / Thin Trees
Looking east at dead tree on waterside slope.	
richard_f_20130918_049.jpg	



Levee Mile Report Line	10
Start Levee Mile	0.36
End Levee Mile	0.36
Location	Water Side
Category	Earthen Levee
Item	Trim / Thin Trees
Looking northwest at dead tree on waterside slope.	
richard_f_20130918_048.jpg	



* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2013

Reclamation District No. 0404 Boggs

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 French Camp Slough	Right	1.76	09/18/2013 09/18/2013	Richard Willoughby

Levee Mile Report Line	11
Start Levee Mile	0.41
End Levee Mile	0.44
Location	Water Side
Category	Earthen Levee
Item	Trim / Thin Trees

Looking south at dead tree on waterward slope.

richard_f_20130919_457.JPG



Levee Mile Report Line	13
Start Levee Mile	0.48
End Levee Mile	0.48
Location	Water Side
Category	Earthen Levee
Item	Encroachments

Looking southeast at downed tree limb on waterside slope.

richard_f_20130918_047.jpg



Levee Mile Report Line	13
Start Levee Mile	0.48
End Levee Mile	0.48
Location	Water Side
Category	Earthen Levee
Item	Encroachments

Looking south at dead tree on waterward slope.

richard_f_20130919_456.JPG



*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2013

Reclamation District No. 0404 Boggs

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 French Camp Slough	Right	1.76	09/18/2013 09/18/2013	Richard Willoughby

Levee Mile Report Line	15
Start Levee Mile	0.73
End Levee Mile	0.73
Location	Water Side
Category	Supplemental
Item	DWR UCIP Field Study

WS- pump on steel structure and wooden walkway

UCIP_6163.jpg



Levee Mile Report Line	16
Start Levee Mile	0.74
End Levee Mile	0.74
Location	Water Side
Category	Supplemental
Item	DWR UCIP Field Study

WS- overview of WS steep levee slope.

UCIP_6159.jpg



Levee Mile Report Line	23
Start Levee Mile	0.89
End Levee Mile	0.89
Location	Water Side
Category	Earthen Levee
Item	Trim / Thin Trees

Looking northwest at dead tree on waterside slope.

richard_f_20130918_046.jpg



* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2013

Reclamation District No. 0404 Boggs

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 French Camp Slough	Right	1.76	09/18/2013 09/18/2013	Richard Willoughby

Levee Mile Report Line	24
Start Levee Mile	1.13
End Levee Mile	1.13
Location	Water Side
Category	Earthen Levee
Item	Encroachments

Looking southwest at wooden pump stand in channel.

richard_f_20130918_040.jpg



Levee Mile Report Line	24
Start Levee Mile	1.13
End Levee Mile	1.13
Location	Water Side
Category	Earthen Levee
Item	Encroachments

Looking south at 4-6" pipe on waterside slope.

richard_f_20130918_041.jpg



Levee Mile Report Line	26
Start Levee Mile	1.13
End Levee Mile	1.13
Location	Land Side
Category	Earthen Levee
Item	Trim / Thin Trees

Looking northeast at dense vegetation inside fenced area near pump station on landside toe.

richard_f_20130918_042.jpg



*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2013

Reclamation District No. 0404 Boggs

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 French Camp Slough	Right	1.76	09/18/2013 09/18/2013	Richard Willoughby

Levee Mile Report Line	26
Start Levee Mile	1.13
End Levee Mile	1.13
Location	Land Side
Category	Earthen Levee
Item	Trim / Thin Trees

Looking east at dense vegetation near pump station on landside toe.

richard_f_20130918_043.jpg



Levee Mile Report Line	26
Start Levee Mile	1.13
End Levee Mile	1.13
Location	Land Side
Category	Earthen Levee
Item	Trim / Thin Trees

Looking northeast at dense vegetation on landward toe. (Spring 2013)

richard_f_20130918_044.JPG



Levee Mile Report Line	26
Start Levee Mile	1.13
End Levee Mile	1.13
Location	Land Side
Category	Earthen Levee
Item	Trim / Thin Trees

Looking north at dense vegetation on landward toe around propane tank.

richard_f_20130918_045.JPG



* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2013

Reclamation District No. 0404 Boggs

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 French Camp Slough	Right	1.76	09/18/2013 09/18/2013	Richard Willoughby

Levee Mile Report Line	27
Start Levee Mile	1.15
End Levee Mile	1.15
Location	Land Side
Category	Earthen Levee
Item	Erosion / Bank Caving

Looking southeast at dumpster and landside erosion on landward toe.

richard_f_20130919_455.JPG



Levee Mile Report Line	30
Start Levee Mile	1.23
End Levee Mile	1.23
Location	Water Side
Category	Earthen Levee
Item	Trim / Thin Trees

Looking southwest at several dead trees on waterside slope.

richard_f_20130918_039.jpg



Levee Mile Report Line	33
Start Levee Mile	1.44
End Levee Mile	1.44
Location	Water Side
Category	Earthen Levee
Item	Trim / Thin Trees

Looking east at dead tree on waterside slope.

richard_f_20130918_038.jpg



*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2013

Reclamation District No. 0404 Boggs

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 French Camp Slough	Right	1.76	09/18/2013 09/18/2013	Richard Willoughby

Levee Mile Report Line	34
Start Levee Mile	1.47
End Levee Mile	1.52
Location	Land Side
Category	Earthen Levee
Item	Encroachments

Fence at landside shoulder from LM 1.47 to 1.52

richard_f_20130918_031.jpg



Levee Mile Report Line	34
Start Levee Mile	1.47
End Levee Mile	1.52
Location	Land Side
Category	Earthen Levee
Item	Encroachments

Looking northeast at fence poles on landside shoulder.

richard_f_20130918_032.JPG



Levee Mile Report Line	35
Start Levee Mile	1.47
End Levee Mile	1.53
Location	Water Side
Category	Earthen Levee
Item	Slope Stability

Looking south at one of several foot traffic erosion on waterside slope.

richard_f_20130918_028.jpg



* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2013

Reclamation District No. 0404 Boggs

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 French Camp Slough	Right	1.76	09/18/2013 09/18/2013	Richard Willoughby

Levee Mile Report Line	35
Start Levee Mile	1.47
End Levee Mile	1.53
Location	Water Side
Category	Earthen Levee
Item	Slope Stability

Looking southeast at repaired sites on waterward slope.

richard_f_20130918_029.JPG



Levee Mile Report Line	37
Start Levee Mile	1.53
End Levee Mile	1.53
Location	Water Side
Category	Earthen Levee
Item	Slope Stability

Looking east at repaired site on waterward slope.

richard_f_20130918_033.JPG



Levee Mile Report Line	38
Start Levee Mile	1.55
End Levee Mile	1.55
Location	Water Side
Category	Earthen Levee
Item	Encroachments

Looking south at 3" pipe on waterside slope.

richard_f_20130918_035.jpg



*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2013

Reclamation District No. 0404 Boggs

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 French Camp Slough	Right	1.76	09/18/2013 09/18/2013	Richard Willoughby

Levee Mile Report Line	38
Start Levee Mile	1.55
End Levee Mile	1.55
Location	Water Side
Category	Earthen Levee
Item	Encroachments

Looking southwest at wooden pump stand in channel.

richard_f_20130918_036.jpg



Levee Mile Report Line	38
Start Levee Mile	1.55
End Levee Mile	1.55
Location	Water Side
Category	Earthen Levee
Item	Encroachments

Looking south at repaired site on waterward slope.

richard_f_20130918_037.JPG



Levee Mile Report Line	39
Start Levee Mile	1.56
End Levee Mile	1.56
Location	Water Side
Category	Supplemental
Item	DWR UCIP Field Study

WS- soil erosion and gully formation due to leaky pipe

UCIP_6150.jpg



* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2013

Reclamation District No. 0404 Boggs

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 French Camp Slough	Right	1.76	09/18/2013 09/18/2013	Richard Willoughby

Levee Mile Report Line	40
Start Levee Mile	1.76
End Levee Mile	1.76
Location	Water Side
Category	Earthen Levee
Item	Trim / Thin Trees

Looking west at overhanging tree on waterside slope.

richard_f_20130918_034.JPG



Levee Mile Report Line	41
Start Levee Mile	1.76
End Levee Mile	1.76
Location	Water Side
Category	Earthen Levee
Item	Encroachments

Looking west at garbage on waterward slope.

richard_f_20130919_454.JPG



Levee Mile Report Line	43
Start Levee Mile	1.76
End Levee Mile	1.76
Location	Water Side
Category	Supplemental
Item	DWR UCIP Field Study

LS- 7' x 14' concrete vault.

UCIP_6147.jpg



* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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